## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup>:
C07H 19/00, 21/02, 21/04, 21/00, C12Q
1/68, G01N 33/53

(11) International Publication Number:

WO 96/40703

(43) International Publication Date:

19 December 1996 (19.12.96)

(21) International Application Number:

PCT/US96/09455

A1

(22) International Filing Date:

5 June 1996 (05.06.96)

(30) Priority Data:

08/479,724	7 June 1995 (07.06.95)	US
08/472,256	7 June 1995 (07.06.95)	US
08/472,255	7 June 1995 (07.06.95)	US
08/477,829	7 June 1995 (07.06.95)	US

(72) Inventors; and

(75) Inventors/Applicants (for US only): PARMA, David, H. [US/US]; 6140 Habitat Drive, Boulder, CO 80301 (US). HICKE, Brian [US/US]; 290 32nd Street, Boulder, CO 80303 (US). BRIDONNEAU, Philippe [FR/US]; 770 West Moorhead Circle #F, Boulder, CO 80303 (US). GOLD, Larry [US/US]; 1033 5th Street, Boulder, CO 80302 (US).

(74) Agents: SWANSON, Barry, J. et al.; Swanson & Bratschun, L.L.C., Suite 200, 8400 East Prentice Avenue, Englewood, CO 80111 (US).

(60) Parent Applications or Grants

(63) Related by Continuation

US	08/479,724 (CIP)
Filed on	7 June 1995 (07.06.95)
US	08/472,256 (CIP)
Filed on	7 June 1995 (07.06.95)
US	08/472,255 (CIP)
Filed on	7 June 1995 (07.06.95)
US	08/477,829 (CIP)
Filed on	7 June 1995 (07.06.95)

(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): NEXSTAR PHARMACEUTICALS, INC. [US/US]; Suite 200, 2860 Wilderness Place, Boulder, CO 80301 (US).

## **Published**

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: HIGH AFFINITY NUCLEIC ACID LIGANDS TO LECTINS

## (57) Abstract

This invention discloses high-affinity oligonucleotide ligands to lectins, specifically nucleic acid ligands having the ability to bind to the lectins, wheat germ agglutinin, L-selectin, E-selectin and P-selectin. Also disclosed are the methods for obtaining such ligands.

٠,